

Study Number: C16019-01
Test Type: TOX - Perinatal DRF
Route: Dosing in Water
Species/Strain: Rat/Harlan Sprague Dawley

R02: Reproductive Performance Summary

Test Compound: Thallium (I) Sulfate

CAS Number: 7446-18-6

Date Report Requested: 05/20/2020

Time Report Requested: 12:45:00

Lab: Battelle

Study Number:

C16019-01

Study Gender:

Female

PWG Approval Date

See web page for date of PWG Approval

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F0 Female

Treatment Groups (mg/L)

	0	3.13	6.25	12.5	25	50
No. Females Mated	20	12	20	12	20	12
No. Females Pregnant	20	12	20	12	20	12
No. Females Littering	17	12	17	12	4	
Percent of Pregnant Females/Mated	100.0	100.0	100.0	100.0	100.0	100.0
Percent of Littered Females/Mated	100.0	100.0	100.0	100.0	80.0	
Percent of Littered Females/Pregnant	100.0	100.0	100.0	100.0	80.0	
Gestational Length	22.0 ± 0.1 (17)	22.1 ± 0.1 (12)	22.0 ± 0.0 (17)	22.0 ± 0.0 (12)	22.0 ± 0.0 (4)	

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LEGEND

F0 time mated females were vendor provided so endpoints involving number of females paired, and pre-coital interval were not calculated. Pregnancy was defined as evidence of implantation or littering. Vendor's time of confirmation of mating was utilized for calculation of F0 gestational length.

Gestation length in days calculated for sperm positive females that delivered a litter.

Animals that died or were removed from study between mating and littering were excluded from the littered/paired, littered/mated, and littered/pregnant endpoints.

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests for Percent of Mated Females/Paired; Percent of Littered Females/Paired; Percent of Pregnant Females/Mated; Percent of Littered Females/Mated; Percent of Littered Females/Pregnant endpoints if present.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests for the Pre-coital Interval and Gestational Length endpoints if present.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****